H22-hPD-L1

Strain Information

Cat. NO.	NM-GA01-TM01
Cell Line	H22-*Cd274*$^{em1(hPDL1)/Smoc}$
Strain State	Validation of tumorigenic capacity completed
Model Description	The endogenous mouse Cd274 gene was replaced by human CD274 gene. *Literature published using this strain should indicate: H22-hPD-L1 cell line (Cat. NO. NM-GA01-TM01) was purchased from Shanghai Model Organisms Center, Inc..

Validation Data

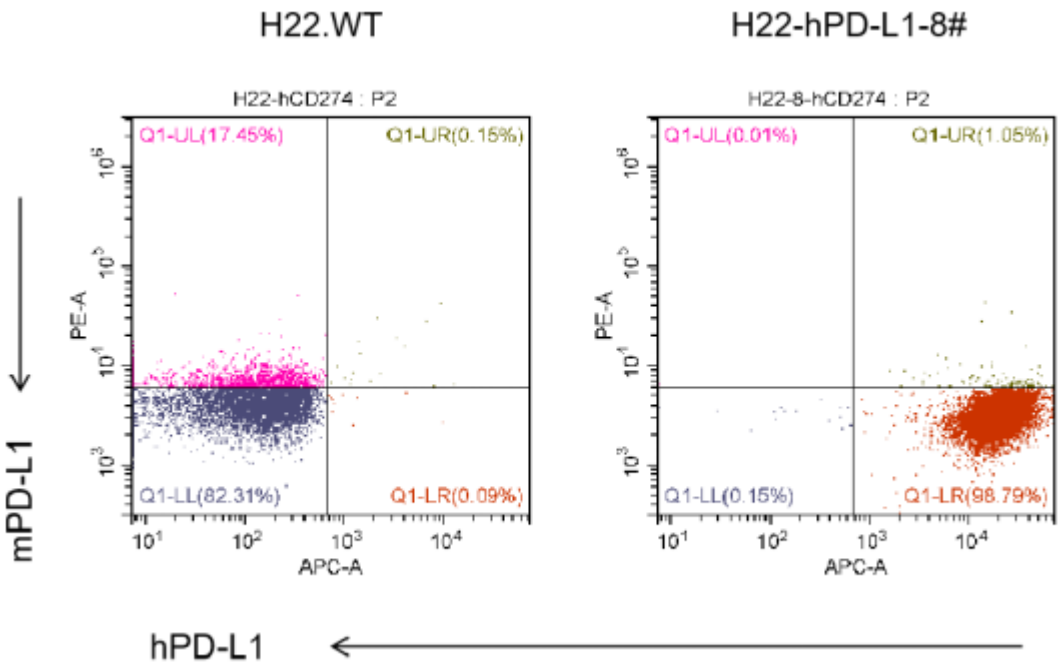

Figure 1. Expression of human PD-L1 on H22-hPD-L1 cells was confirmed by flow cytometry.

H22-hPD-L1 cells and wild type H22 cells were stained with species-specific anti-PD-L1 antibodies. FACS analysis shows that human PD-L1 but not mouse PD-L1 was exclusively detectable on H22-hPD-L1 cells.

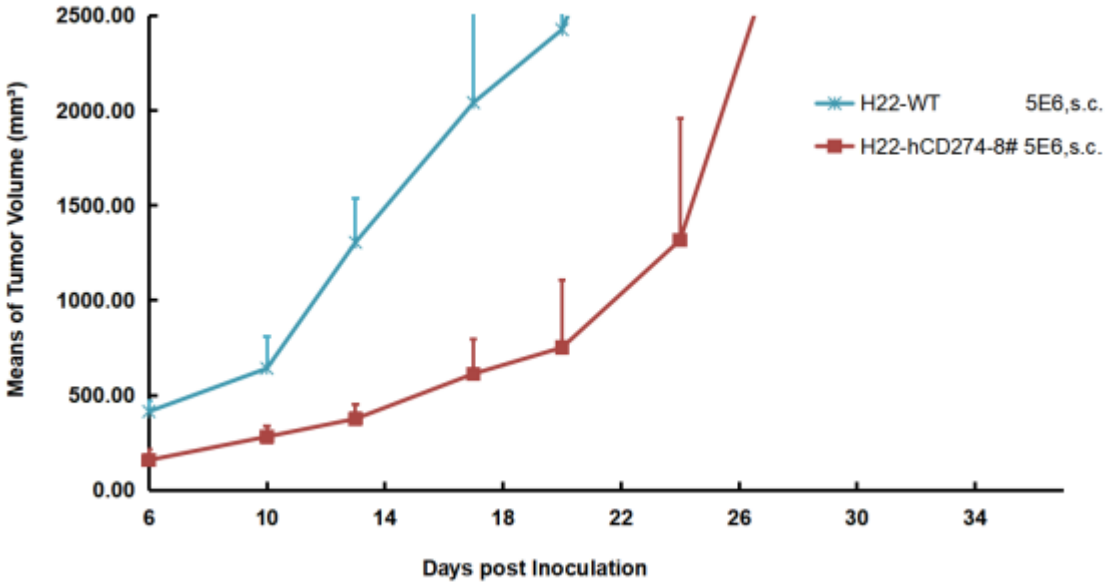

Figure 2. In vivo tumor growth curves in humanized H22-hPD-L1 syngeneic model.

BALB/c mice were subcutaneously injected 5×10^6 H22-hPD-L1 cells compared with wild type H22 cells as control. Tumor growth was monitored by measuring tumor size from day 6 after subcutaneous implantation.

Data shows that there were no significant differences between H22-hPD-L1 cells and wild type H22 cells in either tumorigenicity or tumor growth.

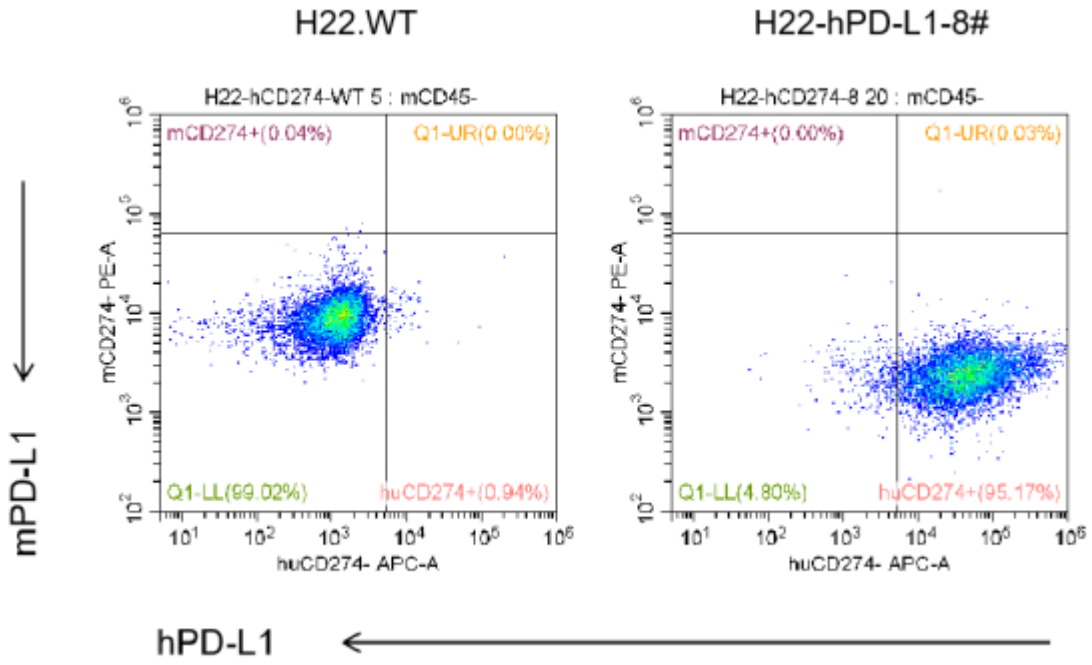

Figure 3. FACS analysis of PD-L1 expression on tumor cells derived from humanized H22-hPD-L1 syngeneic model with species-specific anti-PD-L1 antibodies.

Data shows that human PD-L1 knock-in tumor exclusively express human PD-L1 but not mouse PD-L1.